

In the claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-38. (canceled).

39. (currently amended) A method for producing customized audio data, comprising:

executing an interface at a server or network of servers in a data network for selection of audio data products from, and for access to, a catalog of audio data products;

providing a graphical user interface to a customer at a customer terminal, the graphical user interface presenting the a-catalog of audio data products by from which a customer is able to select an audio data product;

receiving, at the server or network of servers, a request for a particular audio data product from the catalog of audio data products wherein the request is made by the customer via the graphical user interface;

receiving, at the server or network of servers, a customer hearing profile associated with the customer from a machine readable registry of customer hearing profiles;

obtaining, at the server or network of servers, the particular audio data product; and

associating, at the server or network of servers, the particular audio data product with the customer hearing profile producing a customized audio data product in response to the particular audio data product and the associated customer hearing profile, and delivering the customized audio data product to the customer terminal for use by the customer.

40. (canceled).

41. (currently amended) ~~The method of claim 39, wherein said delivering includes~~ A method for producing customized audio data, comprising:

executing an interface at a server or network of servers in a data network for selection of audio data products from, and for access to, a catalog of audio data products;

providing a graphical user interface to a customer at a customer terminal, the graphical user interface presenting the catalog of audio data products from which a customer is able to select an audio data product;

receiving, at the server or network of servers, a request for a particular audio data product from the catalog of audio data products wherein the request is made by the customer via the graphical user interface;

receiving, at the server or network of servers, a customer hearing profile associated with the customer from a machine readable registry of customer hearing profiles;

obtaining, at the server or network of servers, the particular audio data product;

associating, at the server or network of servers, the particular audio data product with the customer hearing profile producing a customized audio data product in response to the particular audio data product and the associated customer hearing profile; and

storing the customized audio data product on a portable machine readable medium.

42-43. (canceled).

44. (original) The method of claim 39, wherein the customer hearing profile comprises coefficients of a transfer function to transform the audio data product according a psycho-acoustic characteristic of a customer.

45. (original) The method of claim 39, wherein the customer hearing profile comprises an identifier of transfer function to transform the audio data product according a hearing characteristic of a customer.

46. (original) The method of claim 39, wherein the customer hearing profile comprises an identifier of a transfer function and coefficients of the identified transfer function to transform the audio data product according a hearing characteristic of a customer.

47. (previously presented) The method of claim 39, wherein the machine readable registry comprises customer hearing profiles corresponding to registered customers, and further including reading, modifying and writing particular customer hearing profiles in the plurality to maintain the registry.

48. (canceled).

49. (canceled).

50. (previously presented) The method of claim 39, wherein the catalog of audio data products comprise pre-recorded audio tracks.

51. (previously presented) The method of claim 39, wherein the catalog of audio data products comprise pre-recorded audio music tracks.

52. (previously presented) The method of claim 39, wherein the catalog of audio data products comprise live audio music streams.

53. (previously presented) The method of claim 39, wherein the catalog of audio data products comprise pre-recorded audio voice tracks.

54. (previously presented) The method of claim 39, wherein the catalog of audio data products comprise live audio voice streams.

55. (previously presented) The method of claim 39, wherein the catalog of audio data products comprise live audio telephone data.

56. (canceled).

57. (previously presented) The method of claim 39, wherein the graphical user interface includes tools by which a user selects an instance of the audio data product, and issues a request for the selected instance.

58. (previously presented) The method of claim 39, including providing tools by which a user adds a customer hearing profile to the registry.

59. (previously presented) The method of claim 39, including providing tools by which a user modifies a particular customer hearing profile in the registry.

60. (original) The method of claim 39, including providing logic to produce information about billing for requested audio data products for customers.

61. (currently amended) The method of claim 39, wherein the catalog of audio data products ~~comprise~~ comprises a digitally encoded product.

62. (currently amended) The method of claim 39, wherein the catalog of audio data products ~~comprise~~ comprises an analog encoded product.

63. (currently amended) The method of claim 39, wherein the catalog of audio data products ~~comprise~~ comprises data encoded according to a particular format suitable for playback by audio devices adapted for the particular format, and the customized audio data product comprises data encoded according to the particular format.

64. (previously presented) The method of claim 39, wherein a customer hearing profile in the registry includes a value indicating an audio device on which the customized audio data product is to be played.

65. (original) The method of claim 39, wherein the customer hearing profile includes a value indicating a hearing characteristic type of a customer for whom the customized audio data product is to be played.

66. (original) The method of claim 39, wherein the customer hearing profile includes a specification of psycho-acoustic characteristics of a customer for whom the customized audio data product is to be played.

67. (original) The method of claim 39, wherein the customer hearing profile includes an audiogram of a customer for whom the customized audio data product is to be played.

68. (original) The method of claim 39, wherein the customer hearing profile includes software defining a transfer function for producing the customized audio data product.

69. (previously presented) The method of claim 39, including accepting data concerning a customer for whom the customized audio data product is to be played, and producing a customer hearing profile for registry in response to the accepted data.

70. (previously presented) The method of claim 39, including accepting data via a network interface concerning a customer for whom the customized audio data product is to be played, and producing a customer hearing profile for the registry in response to the accepted data.

71. (previously presented) The method of claim 39, including accepting data via a network interface, concerning a customer for whom the customized audio data product is to be played, and modifying a customer hearing profile in the registry in response to the accepted data.

72. (previously presented) The method of claim 39, including providing a source of a plurality of customer profiles, providing an interface accessible to a user via a network interface to accept data concerning a customer for whom the customized audio data product is to be played, and producing a customer profile for the registry in response to the accepted data.

73. (previously presented) The method of claim 39, including providing an interface accessible to a user via a network interface to accept data concerning a customer for whom the customized audio data product is to be played, and modifying a customer hearing profile in registry in response to the accepted data.

74-132. (canceled).

133. (new) The method of claim 39, wherein the catalog of audio data products includes a plurality of variant types of audio data products.

134. (new) The method of claim 39, wherein the customized audio data product comprises a data structure including selected audio data product unmodified and data representing the customer hearing profile, wherein the data structure is adapted for processing at the customer terminal to produce a modified audio signal.

135. (new) The method of claim 41, wherein the catalog of audio data products includes a plurality of variant types of audio data products.

136. (new) The method of claim 41, wherein the customized audio data product comprises a data structure including selected audio data product unmodified and data representing the customer hearing profile, wherein the data structure is adapted for processing at the customer terminal to produce a modified audio signal.

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